AMENDMENTS TO THE ABSTRACT:

Please replace the paragraph (Abstract) beginning at page 38, line 1 with the following rewritten version:

ABSTRACT

~~An angle θ 1 between the peripheral direction edge section of each permanent magnet (3) or the pole center side edge section of rotor surface adjacent section of non-magnetic layer (4) continuous or adjacent to the peripheral direction edge section of each permanent magnet (3) and between poles, and an angle θ 2 between pole center side edge section of the rotor surface adjacent section of the second non-magnetic layer (5) and the between poles, are determined to be~~

~~$0 < \theta 1 < 180/(5 \cdot Pn)$~~

~~and~~

~~$180/(5 \cdot Pn) \leqq \theta 2 \leqq 180 \times 2/(5 \cdot Pn)$~~

~~or~~

~~$0 < \theta 1 < 180/(7 \cdot Pn)$~~

~~and~~

~~$180/(7 \cdot Pn) \leqq \theta 2 \leqq 180 \times 2/(7 \cdot Pn)$~~

~~where a pole pair number is Pn.~~

A motor has a rotor core with a plurality of first non-magnetic layers and a plurality of second non-magnetic layers. The rotor core has a plurality of magnets. The first and second non-magnetic layers are positioned to cancel n-th order harmonics. Therefore, a specific order, for example 5-th order and 7-th order, harmonics component of ~~the~~ a magnetic flux distribution waveform (induction voltage waveform) ~~can be~~ is reduced and unnecessary radial force and thrust force ~~can be~~ is prevented from occurrence, while sufficient magnetic flux ~~can be~~ is maintained.